

Many Promotions, 5 Retirements In Faculty Changes

Prof. George, Passano, Haven, Jack, and Doten Are Now Retiring

Thirteen Of 18 Promoted To Rank Of Assistant Professor

Baisbaugh, Guillemin, Hazen, Carlson, Harris, Made Assoc. Prof.

Five retirements and eighteen promotions were included in the faculty changes announced recently. Five men were raised to the rank of associate professor, while 13 became assistant professors. No full professorships were made at this time.

Those retiring are Prof. James R. Jack, head of the department of naval architecture, who has been associated with the Institute since 1919; Prof. George I. Haven, head of textile research in the department of mechanical engineering, a member of the faculty for 40 years; Prof. Leonard M. Passano and Prof. Nathan R. George, both of the mathematics department who have been on the faculty 44 and 45 years respectively, and Prof. Carroll W. Doten, who for 33 years has given courses in political economy. All will retire at the end of the current year with the title professor-emeritus.

Five Made Associate Professors
Of the 18 promotions, five elevated the recipients to the rank of associate professor. They are Jason C. Baisbaugh, Ernst A. Guillemin and Harold L. Hazen, all of the department of electrical engineering; Roy W. Carlson, civil and sanitary engineering, and Louis Harris of the chemistry department.

Other promotions, all to the rank of assistant professor, were those of Wil-

(Continued on Page 6)

Promotions

Novelty Awards To Be Made At Tech Spring Dance Tomorrow Nite

Newsman's Party To Be Held In
5:15 Room With Music
By Victrola

Novelty dances and special prizes will feature The Tech Spring dance to be held tomorrow night in the 5:15 clubroom. A large crowd of the newsmen and their guests are expected at the affair, the first dance to be sponsored by the paper.

Music will be furnished by the clubroom combination victrola and radio, the 5:15 club having laid in a generous supply of the latest recorded hits. Refreshments will be served during the course of the evening. To start the party, the first dance will be a prize contest. Later in the evening the dancers will join in a novelty dance contest and a pirouetting contest.

Professor Slater Announces Group Of New Courses In Applied Physics

A new group of courses in applied physics, designed to meet the growing demand for scientists with special training for the application of physics in the solution of industrial problems, was announced last night by Professor John C. Slater, head of the Department of Physics.

The new courses will begin next autumn and will be in charge of Professor George R. Harrison, director of the Research Laboratories of Experimental Physics, who has been appointed Director of Applied Physics. Compton Is Chairman

Dr. Karl T. Compton, who as chairman of the National Science Advisory Board, studied the possibilities of ap-

plying the knowledge and discoveries of science in industry, is also chairman of the American Institute of Physics, which after a study of several years has suggested the type of training which will be most valuable for physicists who expect to enter the research or engineering branches of industrial organizations.

In this study the requirements of a large number of industries were considered with the result that a permanent national council on applied physics was established. While physics has already played an important part in recent advances in many fields, it is

(Continued on Page 2)

Physics

Technology Dinghy



William Jackson at the helm, and Walter Brodie, '34, give one of Technology's first dinghies its preliminary trials.

Nautical Society To Race Saturday

Nine Dinghies With Crews Of
Two To Enter In Races
Held Over Weekend

Dinghy races will be officially held for the first time this Saturday and Sunday by the M. I. T. Nautical Association. A number of men have already signed up for the competition.

Hereafter every Saturday and Sunday similar races will be run under modified National American Yacht Racing Union rules. The season's winner will represent M. I. T. at the inter-collegiate matches which will probably be held at Bristol, Rhode Island.

The first gun will be at 2:30 o'clock Saturday afternoon, the second at 2:32 and the race will start at 2:34. The course has not yet been marked off, but will be an hour before the races. It is hoped that three races will be run, and nine boats are expected to enter each race.

Only members of the association are eligible for entrance in the races. Each boat must carry a crew of two. An unofficial statement reported that the racing committee of the association is planning to give awards to the winner of free-for-all races, which allow student and faculty to compete on equal terms, and to the winner of student races. Cups may be awarded to these winners.

The M. I. T. Nautical Association has already accepted an invitation from the sailing club of Brown University to race in a spring regatta at Bristol, R. I., in which the sailing clubs of Yale, Princeton, Williams and Cornell have entered crews. The Technology Association is headed by Walter C. Wood, '17, newly-appointed sailing master, who was widely known in aviation circles during the war. Mr. Wood will supervise activities in the new pavilion and direct instruction of the novices.

Dramashop's Show Inspector General Opened Last Night

Play Translated From Russian
By Boris Maximoff,
Tech Senior

Presents Show Two More Nights

James J. Souder, '36, starred again last night in the Dramashop presentation of "The Inspector General" by Nicolai Gogol. The play, specially translated for this production by Boris S. Maximoff, '36, was well received in its first of three presentations.

The story is a comedy centering about a small town Russian mayor of about a century ago. The town's officials have suddenly become startled upon reports that the Inspector General from the capital is to come to their town on an inspection tour and they make hasty preparation for his reception. However, they have unfortunately mistaken a common clerk, who is a typical play-boy and spend-thrift for the Inspector General and invite him to the Mayor's house. There the clerk parades as an officer of importance, receives monetary loans from frightened officials to cover his financial embarrassment flirts with both the mayor's wife and daughter, and ends by proposing to the mayor's daughter. The mayor, in a state of flabbergast, gives his blessing to the couple and the clerk leaves with a promise to return.

After the mayor and his family have gloated over their good fortune

(Continued on Page 5)

Dramashop

War In Europe May Be Avoided, Says Potter At Tech Union Meeting

"War And Diplomacy" Is Topic
Of Widely Known
Lecturer

That Europe may be able to avert a war if the League of Nations is successful in coping with the Italo-Ethiopian dispute, was the opinion expressed by Dr. Pitman B. Potter, lecturer on international affairs, at a meeting of Tech Union last Wednesday evening in the Eastman Hall.

Dr. Potter, who was on the League of Nations commission for the investigation of the causes of the Italo-Ethiopian war, discussed the subject: "War and Diplomacy," giving a brief interpretative history of recent events in Europe, including the attitudes of the various nations on the German re-occupation of the Rhineland.

Pointing out that there has been a distinct change in the character of

(Continued on Page 5)

Tech Union

Q Club Holds Annual Banquet For New Men

Oscar Hedlund Is Speaker As
Sixteen Are Initiated

Twenty freshmen were initiated into Quadrangle Club, Sophomore-freshman honorary society, at a banquet held in the Faculty Dining Room of Walker last night. Guest speaker at the occasion was Oscar Hedlund, well-known track coach and man-about-town.

Those initiated, all of the class of 1939, were: Roger B. Bross, Harold Chestnut, Perry O. Crawford, Maynard K. Drury, Forrest T. Ellis, Frederick B. Grant, Charles F. Hobson, Millard B. Hodgson, Richard S. Leghorn, Augustin J. Powers, William F. Pulver, Harold R. Seykota, Oswald Stewart, Eugene D. Thatcher, Robert B. Wooster, and William F. Wingard.

Wm. Harry Phinizy, '38, president of the club, announced that the next meeting of the club would be held on Thursday, April 23rd.

Complete Sell-out Concludes One Day Soph Bond Offering

Trials and Tribulations Of
A Chem Lecturer, And Why

Professor Wareham tried yesterday to demonstrate to his charges in 5.02 just how copper behaves in our happy family of elements. He announced the precipitation of cuprous chloride as the next attraction, and gingerly poured together the reagents.—No p-p-t.

A second trial, and still no cuprous chloride. The persevering Professor Wareham returned to this enigma several times during his lecture, with equally discouraging results.

Finally the period was over, and just as the last student walked out door, one of the "lecture table stooges" repeated the experiment—and "gobs" of precipitate fell out!

Indication Of Support By Class Seen In Rapid Sale

Dance Date Changed to May 8
To Avoid Numerous Conflicts

Issue of Shares Limited To 150
Now Outstanding, Profits
Divided Pro-Rata

Oversubscribed on the first day of the offer, the M. I. T. 1936 Associated shares were eagerly taken by the members of the Sophomore Class yesterday. The complete issue of 150 shares—first made available at 9 o'clock—had been sold by 4 o'clock yesterday.

So enthusiastic a response was unforeseen by the Institute Executive Committee when it decided that a bond of \$150 would have to be posted to insure that class funds would not be used in meeting any deficit incurred by the Sophomore dance.

New Date Announced

May 8 has been chosen as the date for the dance. The decision was made to change to this date because May 15—previously announced as the choice—was found to conflict with other activities. In addition, May 8 will allow more time between the dance and final examinations.

The very favorable reaction of the class has been taken as an indication of the enthusiasm with which the dance itself will be received. Success is made more likely by the fact that every person who has subscribed to a

(Continued on Page 6)

Soph Dance

Thorne-Loomis Group Will Make Inspection Of European Industry

More Than Twenty Men Embark
On "Ile de France"
On June 11

Continuing the annual trips of inspection and visit of the industrial centers of Europe, the 1936 Thorne Loomis Tour will leave New York city on the "Ile de France" on June 11th for a six weeks' journey.

The group, under the direction of Mr. H. P. Meissner, Instructor in Marketing, and R. D. Williams, graduate student in the Department of Geology, will tour France, Switzerland, Germany, Denmark, Sweden, Norway and England by bus. These buses, which are being overhauled at present, are

(Continued on Page 6)

Loomis Tour

Professor Mabie Constructs Replica Of Alps; Project To Take Six Years

An exact model of a scene in the Alps mountains, requiring six years to complete, is the ambitious project of Professor Charles H. R. Mabie of the Drawing division. He has already spent one-half of that time on it.

A replica of the picturesque section of the Alps which includes Mt. Jungfrau, the queen of the Alps, Mt. Monch, Mt. Eiger, and the Lauterbraunnen Valley, and that entire area which is well known as the winter sports center of the world.

The present status of the project reminds one of a series of terraces in Japan. It seems to be a heap of wood on the floor of a small room.

From this setup are taken the gen-

eral outlines for the finished work which contains no wood but is molded from plaster of Paris. Much of the wooden framework has been cut out by hand and nailed one on top of the other until the desired height has been reached. Then plaster has been placed on top of the form and molded with the aid of contour maps and airplane photos so as to give an exact reproduction of the mountains as they actually appear.

Was Exhibited Two Years Ago

The completed section shows Mt. Jungfrau and was on exhibition at the Open House. It is considered a work

(Continued on Page 4)

Mabie

The Tech

Vol. LVI. APRIL 3, 1936 No. 16
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Managing Board

General Manager Walter T. Blake, '37
Editor Arthur M. York, '37
Managing Editor Leonard A. Seder, '37
Business Manager James G. Loder, '37

Editorial Board

Jackson H. Cook, '36 Louis C. Young, '36
Emanuel Rapoport, '36 Herbert K. Weiss, '37

Associate Board

Assistant Editors
Victor A. Altman, '38 Harold James, '38
Leon L. Baral, '38 Frederick Kolb, '38
Anthony Chmielewski, '38 Dudley A. Levick, Jr., '38

Business Associates

Ruth G. Raftery, '38 James C. Longwell, '38
Douglas G. Esperson, '38 Allen E. Schorsch, '38
Joseph R. Krenn, '38 Edgar B. Taft, '38

Staff Assistants

Irwin Sagalyn, '37 David A. Werblin, '36
George M. Levy, '37 John R. Summerfield, '38
Harold H. Straus, '38

Special Photographer, Lawrence R. Steinhart, '37

Offices of The Tech

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.
Telephone KIRKland 1882
Business—Room 301, Walker
Telephone KIRKland 1881

SUBSCRIPTION, \$1.50 Per Year
Published every Tuesday and Friday during College year,
except during College vacation.

Entered as Second Class Matter at the Boston Post Office
Member Eastern Intercollegiate Newspaper Association

Night Editor: Joseph G. Zeitlen, '39

FLOODS

AND GOVERNMENT MONEY

FOR two weeks the entire eastern part of the United States has been in the grip of the most devastating floods in the history of the country, judged on the basis of property losses and the number of people affected. True, the Galveston flood of 1900 and the Johnstown flood of 1889 took far greater toll of lives, but in the first instance this was due to the dam break, and in the second instance to a tidal wave.

The Berkshires, Adirondacks and Alleghanies were covered with a deep layer of snow during the winter months, and the saturated subsoil was frozen hard many inches deep. With the approach of spring, moisture bearing clouds came up from the South, and for several days rain poured down in torrents on the mountain slopes. The main rivers of the East, the Connecticut, the Merrimack, the Susquehanna, the Conemaugh, the Ohio, and the Potomac, overran their bounds, and caused incalculable damage. More than 180 persons died, 225,000 have been made homeless, and property losses ran into many millions of dollars. President Roosevelt mobilized the War Department, the Treasury's Public Health Service, and the Department of the Navy in an effort to get supplies as quickly as possible to the flooded districts, preserve order, and prevent the spread of disease. On a moment's notice the Red Cross gave \$3,000,000 for direct relief, and the WPA was allotted \$43,000,000 for rehabilitation work.

Such is the action that has been taken so far. Ultimately the floods will subside, communities will be rebuilt, and things will return to a normal status. Perhaps a few local improvements in dams, or levees, or flood-control reservoirs may be made in certain areas, but no attempt will be made to bring about a co-ordinated, nationwide system of drainage ducts. Hitherto no vast, well-conceived drainage system has been constructed by engineers. The systems are too localized, and quite insufficient in time of so far-reaching an inundation as that from which we are now just emerging. A single county or state cannot find a successful solution to the flood problem unless it co-ordinates with surrounding states.

Until now there have been a few earnest attempts toward a nationwide drainage system. The project of the New England governors for a long-range flood-control system over New England and New York, which was at first rejected by the Senate Commerce Committee, has been revived for consideration. If the proposed measure is approved, it will be a big step in the right direction. More far-reaching plans for planting on mountain sides to prevent erosion should be undertaken. And series of flood-control reservoirs should be established at intervals over wide areas.

There never was a more opportune moment to commence large-scale drainage improvements, flood-control schemes should certainly

receive favorable attention. A great deal of money has been frittered away on various local improvements. The Senate Commerce Committee would do well to approve the New England Flood Control plan. Extensive flood-control projects would not only eliminate the terrific losses due to floods but would also provide a means of irrigation and a source of hydro-electric power. It is indeed fortunate that the greatest flood in the history of the country should occur at a time when the greatest spending fund in the history of the country is available for appropriation.

First Prize Editorial

Editor's Note: Announcement was made recently of the winners in an editorial writing contest sponsored by the Committee on Militarism and Education on the subject "Why Congress Should Pass the Nye-Kvale Amendment." Following is the first prize winning editorial submitted by Roger E. Chase of Columbia University.

"We won some things from the war, that were not on the program. For example, we had a complete demonstration of the fallacy of the old tradition that preparedness prevents war."—George H. Dern in an address at Riverside, California, December, 1931.

In December, 1935, Mr. Dern, as Secretary of War, is busy spending the largest peacetime military appropriation in the history of the United States, making capital of "the old tradition that preparedness prevents war" to hasten the drive toward a bigger and better war.

The patrioteers—including, we trust, Mr. Dern—have not forgotten the institutions of higher learning. To date more than two hundred campuses have found a place for the Reserve Officers' Training Corps. Another hundred are expected to add military training to their curricula in the near future. In 118 institutions of learning drill is not only offered but required.

Senator Nye of North Dakota and Representative Kvale of Minnesota have introduced a bill intended to eliminate conscription from American education. The bill would amend the National Defense Act of 1916 with the stipulation that no R. O. T. C. unit be approved at any school or college "until such institution shall have satisfied the Secretary of War that enrollment in such unit (except in the case of essentially military schools) is elective and not compulsory." Mild as it may appear, consonant with the democratic idea as it is, the Nye-Kvale Bill is by no means assured of passage.

No sooner did the campaign against militarism in education begin to assume formidable proportions than spokesmen for "national defense" rushed forward with euphemisms and counter-charges. The R. O. T. C. was a higher form of "physical education"; the goose-step was "character education"; compulsory drill was "citizenship training," an antidote for the subversive agitation of students who felt, and said, that was unnecessary and futile and they would have nothing to do with it.

It means little to the defenders of the R. O. T. C. that the best minds in the field of physical education have characterized as a hollow falsehood the claim that drill "builds men."

It is irrelevant to the apostles of chauvinism that the kind of "character" developed by the corps is otherwise known as the "military mind" which—Professor Reinhold Niebuhr once stated—"makes unthinking obedience the summum bonum in the hierarchy of virtues."

It is not at all alarming to the super-patriots that "citizenship" as promoted in the R. O. T. C. has meant the negation of science and democracy, that the training corps have been as culpable as any other group in the revival of American college vigilantism.

What that "citizenship" implies was once illustrated in an official R. O. T. C. manual (withdrawn from circulation, thanks to student protests, ten years ago). One passage read: "This inherent desire to fight and kill must be carefully watched for and encouraged by the student . . ." And further: "To finish an opponent who hangs on or attempts to pull you to the ground, always try to break his hold by driving the knee or foot to his crotch and gouging his eyes with your thumbs."

"Citizenship," indeed.

As it becomes increasingly apparent that the nation's military machine is being geared to the inevitability if not the early desirability of another war, student protests against militarism and the society which breeds it will be increasingly vocal. At the same time, R. O. T. C. units will crop up on campuses which never had military training before. The corps already established will emerge more clearly as storm-troops of bogus "Americanism," intolerance, anti-intellectualism. They are strongholds of reaction today; they may be the vanguard of fascism tomorrow.

Wide public support of the Nye-Kvale Bill may not signify the beginning of the end for the R. O. T. C. But it will prevent further expulsions of students who, on religious or political grounds, refuse to submit to compulsory drill. More important, it will attract public attention to what has long been an anti-social feature of our educational system and today is an incubator of forces which may some day destroy our civilization.

The campaign should not be confined to those schools where compulsory R. O. T. C. exists. The menace of jingoism cannot be isolated. Every senator, every representative in Congress should be notified, deluged with petitions, hounded until such time as he places his influence behind the bill.

It is encouraging that the tremendous growth of the R. O. T. C. since the war has not occurred without

artificial stimulation. Although the cavalry went out of style and utility after Appomattox, thousands of horses have been provided as sugar-coating for the pill of compulsory training. Fortunes have been spent on flashy uniforms. Pretty girls have been recruited as "sponsors." The enemy has been resourceful.

There is going to be a fight to the finish between a strong student peace movement and a highly-subsidized regimen of training for slaughter. The outlook will be more reassuring once the Nye-Kvale Bill is law.

Reviews and Previews

OPERA HOUSE—The program of the remaining programs of the Monte Carlo Ballet Russe follows: Friday night, April 3—"Lake of Swans," "Scheherazade," "Beau Danube"; Saturday matinee, April 4, "Lake of Swans," "Boutique Fantastique," "Aurora's Wedding"; Saturday night, April 4—"Les Sylphides," "Firebird," "Spectre de la Rose"; "Beau Danube."

DRAMASHOP

"Inspector General," written by Nicolai V. Gogol and translated by Boris S. Maximoff, '36, as the spring production of Dramashop, in the Commons Room of the Rogers Building where it will also play tonight and tomorrow night.

The plot deals with a small Russian village of about 1830 and its officials who fear for their jobs when they hear that an inspector is coming to look into town affairs. Being so worried they mistake a devil-may-care clerk, who happens to arrive in the village, for the Inspector and he succeeds in fooling them. After borrowing a great deal of their money, promising them all sorts of favors, and telling them he will return to marry the mayor's daughter, he escapes and leaves them to consider their fate as the real Inspector is announced.

The stars of the production are: James J. Souder, '36, the mayor; Robert W. Pastene, '39, the clerk; Arthur E. Wells, Jr., '36; Philip H. Weatherill, '39; Edward K. True, '38, and Vernon G. Lippitt, '38, officials of the village; also Andrew P. Rebori, '39, a resident, and George A. Moore, '39, a landowner who has lost a tooth and whistles every "s" he tries to pronounce. The feminine star is Margaret Whitcomb, '39, who plays the role of the mayor's wife.

The supporting male roles are taken by Boris S. Maximoff, '36; Leon Baral, '38; Myron A. Cantor, '39; Courtland C. C. Hill, '40; Orville R. Dunn, '39; Augustus Murillo, '39; Chester W. Ross, '39, and Ralph D. Morrison, '37. The supporting women in the cast are: Ruth G. Raftery, '38, who plays the part of the mayor's daughter; Mary M. Goldwater, '36; Gretchen R. Van Stratum, '40, and Ethelyn S. Trimby, '36.

The play begins at 8:15 and tickets for tonight's or Saturday's performances may be bought from any member of Dramashop or at the door for \$1.00.

SHUBERT—Boston seems to be raving without end about *On Your Toes* which is in its second week here and is scheduled to open soon in New York. Its novel and well executed satire of the ballet is the one outstanding feature which is putting the show across. As a satire it is well presented, with Ray Bolger as the prodigious dancing comic, Luella Gear as leading actress and Tamara Geva as take-off ballet queen.

The high spot of the show is the ballet scene, "Slaughter on Tenth Avenue," wherein the satire reaches its peak and the cast succeeds, paradoxical as it may seem, in spell-binding the audience with nothing but mimic motions to the rhythm of a hodge-podge of emotional jazz.

As a musical comedy, the present show falls far short below standard as the customary lavish dancing scenes are omitted for the sake of a more closely knit plot centering around the trials of a producer of a Russian ballet. There seems to be no song hits which are likely to be noticed by radio or the public. There are no voices in the cast which are worthy of a second thought. Pitiful attempts made by Luella Gear and others to vocalize seem like nothing more than excuses to keep this show in the category of the traditional American musical.

However, until the novelty of this

new type of show wears off, it is bound to give real entertainment. *On Your Toes* is destined to be very popular during the next few months and because of its newness and freshness deserves the attention of the theatergoer.

FINE ARTS—*Poil de Carotte* is the first film which has deeply stirred this columnist. It is no spectacle, nothing to be watched with detachment; you feel the struggle, the coldness and the bitterness as though you were miraculously transformed into the slight figure of "Poil de Carotte" and suffered the actual experiences. The climax—the frantic cries of the distracted father as he rushes about looking for his son—the boy, determined to kill himself, standing with the rope around his neck, hysterical—the sudden outburst of the church bells—the utter exhaustion which the audience feels when the boy is saved. The picture cannot be described—it must be experienced. If you see but one picture this year, see this one.

MEMORIAL—Shirley Temple's new picture, *Captain January*, with Slim Summerville and Guy Kibbee starts its week's engagement today and again brings us Shirley Temple doing the things which are so popular with American theatergoers.

BOSTON—Another big stage show is featured here. Entitled "Hollywood Revels," it stars Bebe Daniels, Ben Lyon, and Lillian Roth. On the stage screen, we have Paul Kelly, Arline Judge, and Mona Barrie in *Here Comes Trouble*.

METROPOLITAN—13 Hours by Air, with Fred MacMurray, Joan Bennett, and Zasu Pitts, a dramatic story of romance and intrigue aboard a speeding transport plane is the feature on the screen. Benny Meroff and his orchestra head the stage show.

UPTOWN—The double bill starting tomorrow comprises Warner Baxter and Gloria Stuart in *The Prisoner of Shark Island* and Harry Richman and Rochelle Hudson in *The Music Goes Round*.

STATE AND ORPHEUM—Both theatres have double feature bills this week, each containing Laurel and Hardy's new full-length picture *The Bohemian Girl*. The second film at the STATE is *You May Be Next* with Ann Sothern and Lloyd Nolan. The ORPHEUM offers as its second attraction *The Lady of Secrets*, a throbbing love story.

PARAMOUNT AND FENWAY—The program which started yesterday consists of Fred MacMurray and Sylvia Sydney in *The Trail of the Lonesome Pine* and "F" Man with Jack Haley. The first film is a natural color dramatization of the struggle between the Tolliver and Falin clans, the second is a "rip-roaring comedy take-off on G-men."

MODERN—The feature bill which starts here tomorrow is *The Country Doctor*, starring the Dionne quintuplets, Jean Hersholt, Slim Summerville and Dorothy Peterson and Desiree with Marlene Dietrich and Gary Cooper.

Physics

(Continued from Page 1)

expected to have a still more significant role in the future.

Applied Physics Valuable

Training in applied physics is expected to be especially valuable in the electrical, optical, chemical, textile, paper, printing ink, aircraft and automobile industries, as well as in oil production and refining, geology and geophysics, acoustics and metallurgy. Physical principles, for example, will enter into the development of economic railway trains, prefabricated houses, air-conditioning, the preservation of food, the processing of plastics, which includes glass, rubber, paints and composition moulding materials, color photography, and television.

Students in the new courses in applied physics will devote more time to chemistry, metallurgy, and the fundamentals of electrical and mechanical engineering. The course supplements rather than competes with the long-established course in pure physics, which goes farther into the speculative aspects of science. Thus there will be no sharp distinction of staff, subjects, or students between the two fields of study, for under the new plan students will be able to follow their inclinations and aptitudes in one direction or the other through proper selection of their elective courses.

SPORTS COMMENT

This department heartily approves of the idea of spring practice for the soccer team. With many of last year's varsity graduating, Coach Goldie is quite right in his desire to start early and train a new bunch of new men who will carry the team on to victory next term.

* * * * *

The interfraternity basketball tournament came to an end Wednesday night in the Hangar Gym. The Delta Kappa Epsilon House conquered the Sigma Chis to the tune of 16-13. The tourney was contested with great interest by practically all of the fraternity houses and great was the joy in the Deke house when its victorious representatives brought home the win. The cup symbolic of superiority will now move from the Sigma Chi house to the Deke quarters.

* * * * *

A look at the record of the fencing team is refreshing. Besides the rifle team, this aggregation is the only one which has managed to roll up a respectable number of wins. It is a welcome relief for a columnist to look at the records of a Tech team and see victories entered on the ledger side of the result book.

Rifle Teams Of Fifteen Colleges Compete Saturday

Army, Coast Guard, Harvard, N. Y. U. And Technology Compete At New London

Technology Riflemen Capture Hearst Trophies And Medals

Navy Are Defending Champions In National Contest, Army Favored

The Varsity Rifle Team will finish its season tomorrow at the Eastern Intercollegiate Championships at New London, Connecticut.

The National Rifle Championships are held in sections: this year these meets are being run off at New London, Conn., Annapolis, Md., Pittsburgh, Pa., Minneapolis, Minn., and Lincoln, Neb. About 40 teams attend these sectional meets, and the highest sectional winner becomes national champion. Navy is the defending champion.

At New London 12 to 15 Eastern teams are expected, including West Point, N. Y. U., Brooklyn Polytechnic Institute, Yale, Coast Guard, Harvard, and Technology. Last year the Institute riflemen placed fourth at the sectional meet.

This year the varsity has competed in fifteen matches winning eight and losing seven. The wins were the Y. D. Club, Arlington, Lowell Textile, Northeastern, Harvard, Yale, Bowdoin, and Beverly. The team lost to Richardson Club, Beverly, Sagamore, Navy, New Hampshire, Army, and Lehigh.

The team has been announced as the winner of the Hearst Trophy, which carries with it a beautiful shield as a team trophy, and silver medals for the team members. In this match Gordon L. Foote, '38, was the high scorer in New England. The other men comprising the team are Keithley, Kinraide, Whitaker, and Maak.

Four Gymnasts In Intercollegiates

Capt. Needham Awarded Trophy Club Medal At Banquet Of Gym Teams

The varsity gym team ended an unsuccessful season from the point of views of games won with an attempt in the Intercollegiates last Saturday which proved to be in vain. Capt. Roger Needham, who was awarded the Varsity Club Medal, was not among the four men that made the trip.

The squad this season consisted of only nine men because of the lack of interest in gymnastics during recent years. There is a good outlook for next year's teams, however, for there was a freshman squad of over twenty-five men. Coach Herbert Forsell, trainer of the last two Olympic teams, was mainly responsible for the increased interest of the freshmen in gymnastics.

Banquet Tuesday

Both squads held their banquet last Tuesday night. It was held unexpectedly so that Captain Needham, who has completed his work at the Institute and will leave soon, would not miss it. The Varsity Club Medal was given to Needham.

The end of the time when Tech gym teams will go through the season with so many losses seems to be in view, taking the present freshman squad as a forecast of things to come. Coach Forsell predicts that M. I. T. will soon be putting out teams of championship caliber. The season is not yet through for the freshmen, but they have won one of the two meets they have had so far.

The First Church of Christ, Scientist

Falmouth, Norway and St. Paul Sta. Boston, Massachusetts

Sunday Services 10:45 a. m. and 7:30 p. m.; Sunday School 10:45 a. m.; Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.

Reading Rooms—Free to the Public. 333 Washington St., opp. Milk St. entrance also at 24 Province St., Staller Office Bldg., Park Sq., 60 Norway St., cor. Mass. Ave. Authorized and approved literature on Christian Science may be read, borrowed or purchased.



Lacrosse Team Takes On Boston Lacrosse

Beaver lacrosse enthusiasts measure sticks against the Boston Lacrosse Club tomorrow for its first game of the season. The meet with the Boston Lacrosse Team has come to be regarded as an annual opener for the Engineers and usually serves as a yardstick measure of the ability of the team.

The Club usually offers some very stiff competition and there is little doubt but that they will take over their Institute rivals, who will gain valuable experience from the meet.

Oarsmen Get New Truck For Shells

Crew Training In All Sorts Of Weather To Make Up For Loss Of Men

The Technology Crew has finally obtained a new vehicle for transporting the shells to distant meets. In years past it was necessary to use a truck which had wheels so narrow that there was always danger of them being caught in a rut or trolley track. The new truck can carry three of the

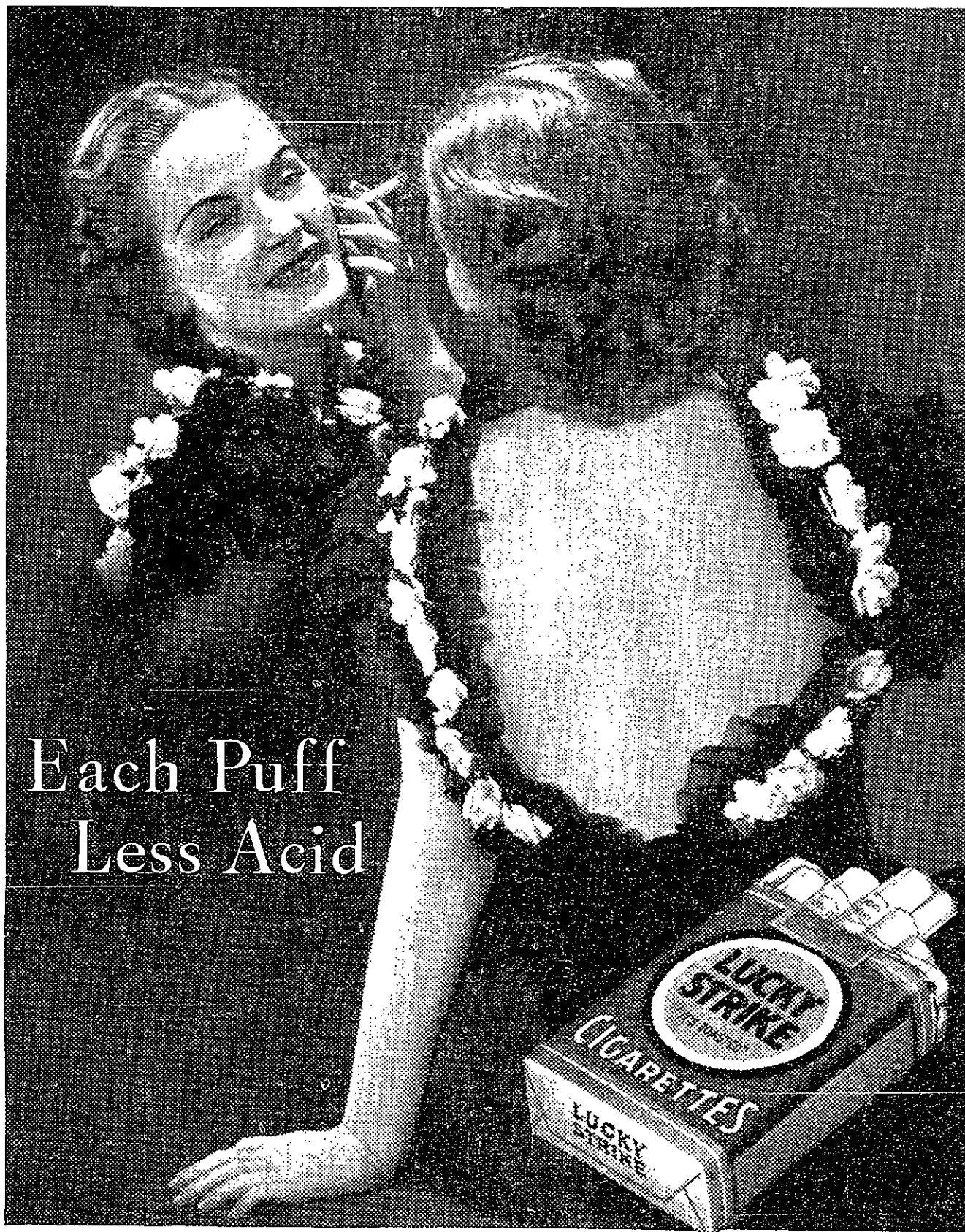
expensive shells at one time.

At present there are eight complete crews on the river, making a total of seventy-two students, excluding managers, actively engaged in this sport. The Varsity Crew has not enjoyed the greatest success in years gone by, but things are certain to change in the future because of the many promising lower classmen who are sure of at least two years' experience for the development of a crack Varsity Boat.

Coach Bill Haines has had some tough luck with his last year's freshman crew which defeated the then Sophomore Crew on Field Day. Harry

(Continued on Page 4)

Crew



Each Puff
Less Acid

A LIGHT SMOKE OF RICH, RIPE-BODIED TOBACCO

Although the constituents of cigarette paper are, in themselves, unsurpassed in purity and wholesomeness, it may, if crudely fabricated, contribute a marked degree of irritation to cigarette smoke. Cigarette paper not only envelops the tobacco in forming a cigarette, but through its physical properties may ex-

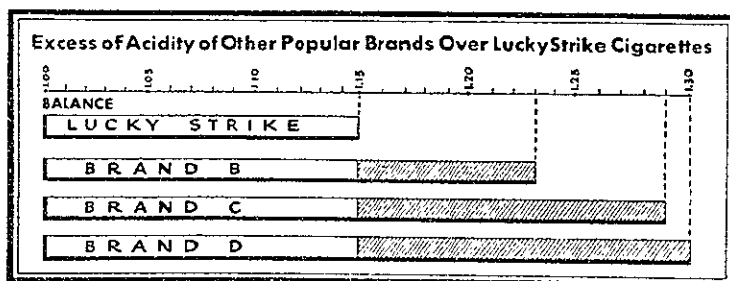
ercise a favorable or detrimental influence upon the products of combustion.

Paper for Lucky Strike Cigarettes is made under our own supervision. Samples of each lot of cigarette paper manufactured are subjected to the most rigid analysis before it is used in making Lucky Strike Cigarettes.

Copyright 1936.
The American Tobacco Company

Luckies are less acid

Recent chemical tests show* that other popular brands have an excess of acidity over Lucky Strike of from 53% to 100%.



*RESULTS VERIFIED BY INDEPENDENT CHEMICAL LABORATORIES AND RESEARCH GROUPS

Luckies — "IT'S TOASTED"
Your throat protection — against irritation
— against cough

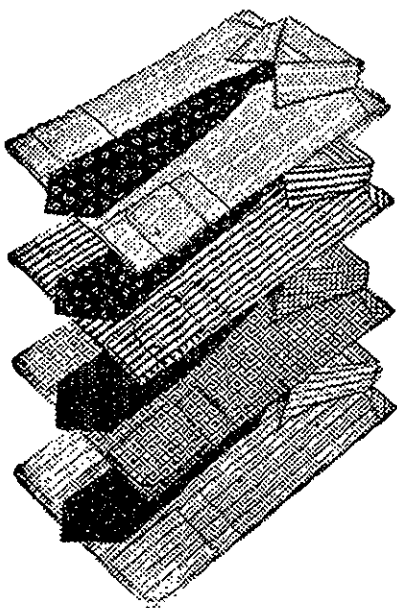
meet ARROW's Newest Shirts in a completely NEW Stock

The ever-popular white and a handsome collection of patterns—there are the regular and form fit models — some with the famous original Arrow collar, the button-down, the Kent wide spread, and the Arosset starchless collar that stays fresh all day long.

Prices begin at \$1.95 for the Trump and \$2.00 for the Hit.

The TECH COOP

76 MASSACHUSETTS AVENUE



Investigation

(Continued from Page 1)

management could be prevented if an experienced executive were given the reins.

Members Need Incentive

When asked to point out what, in their opinion, is the chief difficulty in the way of the success of the musical clubs, most of the men replied that it is the failure of the management to provide a rapid succession of outside concerts so that members would continually have incentive to become proficient.

Most of the members questioned felt that the \$5 dues required by the clubs were not excessive, provided that members "go their money's worth."

The general reaction to the suggestion that the orchestra might be abolished seemed to indicate that sentiment is in favor of maintaining it even though it may not be profitable. It was also brought out that the orchestra is necessary to aid the Glee Club in filling out a program.

Probe Started Month Ago

The probe into the affairs of the Combined Musical Clubs was ordered by the Institute Committee on February 27 and has been proceeding under the direction of a special committee comprising Anton E. Hittl, '36, chairman; John C. Gardiner, '36; Emanuel Rapoport, '36, and Scott G. Rethorst, '36.

Since that time, several hearings have been held by the committee, at

Crew

(Continued from Page 3)

Draper, '38, was one of the most valuable members of the freshman squad. A few months ago this former president of the Class of 1938, almost had the lower portion of his leg cut off in an elevator, and will probably be lost to the Varsity Crew for the rest of his college career. Two other men were lost from last year's freshman crew through their lack of scholastic interest. They are Robert Church and John Glacken. Their places are now taken by Fred Lamb, '38, and Cornelius Coombs, '38.

The task which must be accomplished to insure a crack Varsity Crew is to coordinate nine individuals into one smoothly running machine. The accomplishment of this will take hundreds of hours of practice, so don't be surprised to find the shells on the river even in cold raining weather, as they were yesterday.

which Advisory Council members and officers of the clubs have been present to testify regarding the activities of clubs and suggest improvements in organization.

During the period, the committee has been concerned both with giving advice for the continuance of the clubs this year as well as obtaining information, to aid in recommending a reorganization for next year. It is expected that a report will be submitted next Thursday at the Institute Committee meeting.

Final Dance Will Be Held By Faculty Club

The last Faculty Club dance of the school year will be held on Saturday, April 11 between 9 and 12 p. m., in the North Hall of Walker, according to an announcement received yesterday. Dress is optional.

The dances are sponsored by the Faculty Club to afford greater opportunity for social contact among the members of the staff and their families. According to the dance committee, a congenial crowd, a smooth floor, and the music of an orchestra are offered for the price of a pair of seats to the movies.

Mabie

(Continued from Page 1)

of art, with the white color of the snow, the blue-green of the ice, and the various greys and browns of the rocks all faithfully reproduced. Three different types of sand have been ingrained in the plaster to form the varying surfaces of the peaks, while the contour of the hills and valleys has been exactly cast in miniature.

This ambitious project had a very modest beginning. Professor Mabie started out with the idea of making a small reproduction of Mt. Jungfrau alone but he concluded that the small model did so little justice to the original view that he decided to enlarge

his scale to its present dimensions. Although much interested in Switzerland because of family tradition Professor Mabie spent but one summer in the country itself. During this time he made the most of his opportunities and returned with an indelible picture of the Alps in his mind. With this picture as a basis on his return to this country, he started immediately to work out his idea.

Difficult to Reproduce

This contour model is not only of aesthetic interest but also of great geological importance for it shows exactly the surface strata of the rock which varies with the different mountains and makes the job of reproduction so much the harder. After completion it is intended to paint the layers of the underlying strata on the sides of the model to give a complete geological picture.

The model will not be completed for at least three years. Inquiries have been made as to how the professor intends to get his large project out of the small doorway of his room. Professor Mabie smiles and explains that the model is being made in nine parts each of which is a complete unit in itself and in this way it can be handled without difficulty.

Little Bo-peep has lost her sheep, And doesn't know where to find them. They're making fast With an insomnia, Who now has a contract to bind them. —Concordensis.

Advanced R.O.T.C. Get Typhoid Injection

In preparation for their trip to training camp this summer, about 100 members of the advanced R. O. T. C. are being vaccinated against typhus at the Homburg Infirmary by Dr. Louis W. Croke, assistant medical director. The vaccinations which are required by Army regulations, consist of three injections, spaced a week apart. Dr. Croke says that no Technology men have yet contracted typhus at the camps.

Great care must be used in making the injections, to guard against infection, and also to take care that the delicate point of the "needle" is not broken off under the skin. But these are not the only difficulties the doctor meets within this work. Quite frequently one of the boys finds the anticipation of the needle too much for his nervous system, and faints. "And the bigger they are," said Dr. Croke, "the more likely they are to fall."

Infirmary List

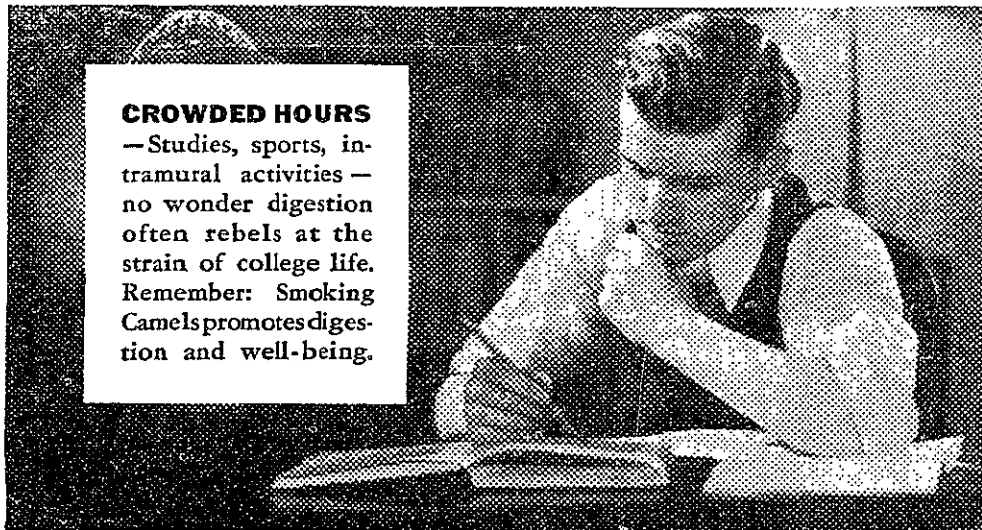
Walter N. Brown, Jr., '39; R. C. Casselman, '39; J. C. Chatten, '39; G. M. Hain, '36; H. King, '36; R. G. Marchisio, '39; S. Wood.

Brooks Hospital—C. Harold, employee; A. Moon, employee; R. L. Orzynski, '36.

Haynes Memorial—J. H. Klaber, '38; N. E. Sparks, '39.

Copyright, 1936, R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

FOR DIGESTION'S SAKE — SMOKE CAMELS



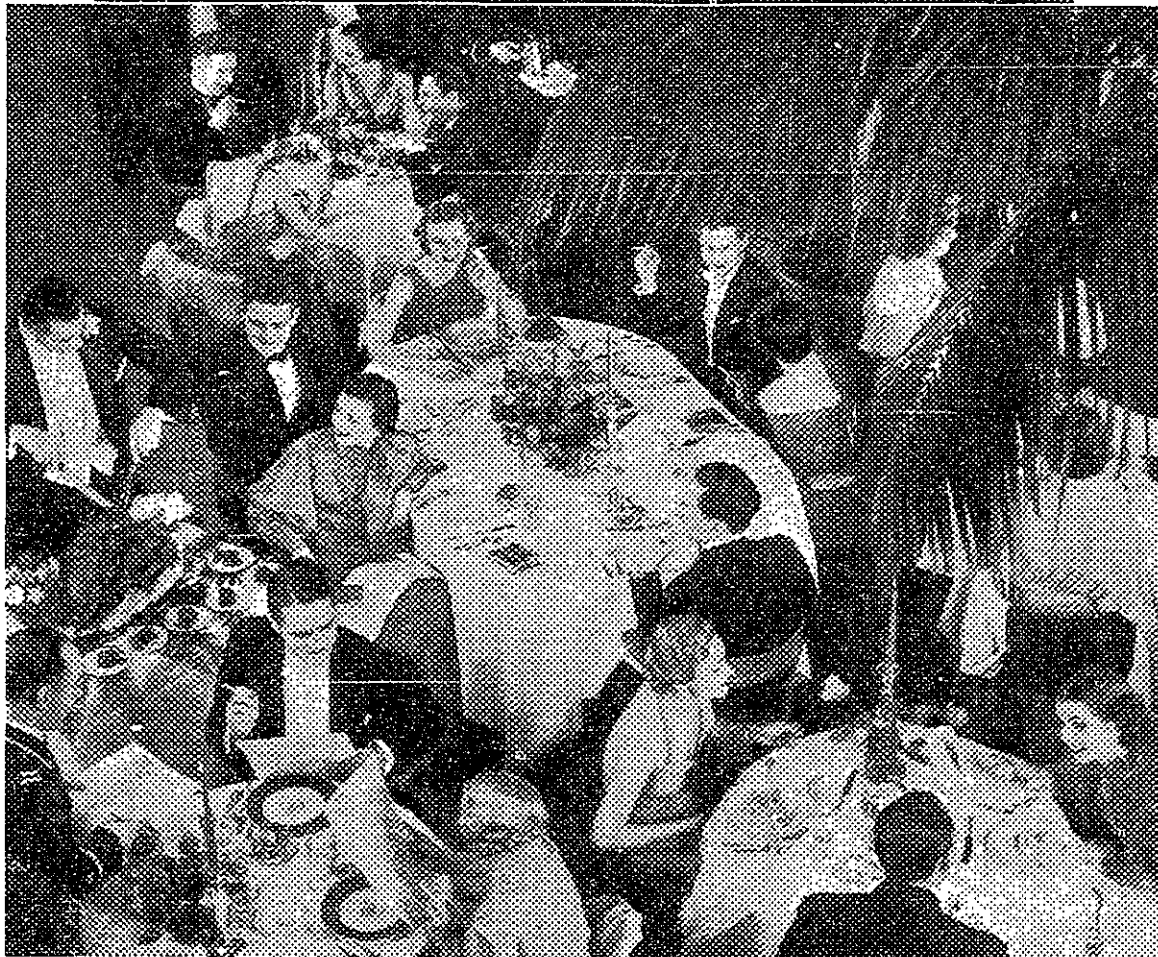
CROWDED HOURS

—Studies, sports, intramural activities — no wonder digestion often rebels at the strain of college life. Remember: Smoking Camels promotes digestion and well-being.

Smoking Camels Assists Digestion to Proceed Normally and Promotes Well-Being and Good Feeling

We live in high gear. So much to do and so little time to do it in! All too often the rush and tension play havoc with nerves and the digestive system. How can one offset the effects of modern living—that's the problem! Here is an interesting established fact: *Smoking Camels has been found a definite bene-*

fit in promoting natural digestive action. Camels are supremely mild—never get on the nerves or tire your taste. Enjoy Camels as much as you like...for their good cheer and "lift"... for their rare flavor! Smoke Camel's costlier tobaccos for digestion's sake. They set you right!



THE TERRACED MARINE DINING ROOM of the Edgewater Beach Hotel, Chicago. Those who dine at leisure also appreciate Camels for their aid to digestion. "Good times and good tobacco go together," says Fred, *maitre d'hôtel* of the Marine Dining Room. "So many of our guests smoke Camels. They are immensely popular."



"I HAVE TO EAT in 30 minutes—and a riveter can't be walking around with nervous indigestion, on narrow beams hundreds of feet in the air," says Harry Fisher, steel worker. "Smoking Camels makes my food set better and helps my digestion."



SHE FEEDS THOUSANDS DAILY. Miss Lenora Flinn, dietitian, says: "With me, it's always Camels! Smoking Camels during meals and after promotes digestion, causing increased flow of digestive fluids. Camels never jangle my nerves."



TUNE IN!

Camel Caravan with Walter O'Keefe, Deane Janis, Ted Husing, Glen Gray and the Casa Loma Orchestra

Tuesday and Thursday — 9 p.m. E.S.T., 8 p.m. C.S.T., 9:30 p.m. M.S.T., 8:30 p.m. P.S.T.—over WABC—Columbia Network.

COSTLIER TOBACCOS

Camels are made from finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic—than any other popular brand.





Lilith

If somewhere there be a man who has never pondered on the oscillating mentality of woman, it is only because he has never seen one. Blessed are they who seek not what they have not.

The evening was young and the company congenial, the young man, his friend and the girl. They dined, and against a background of soft music the man chafed at the womanly inconsistency which had prompted the girl to appear twenty minutes late. Time passed, mellow as the breeze from the warm Havana coast, sparkling as the candlelight in the blood-wine of Burgundy.

Pleasantly lined with steak, salad, and accessories, the friend suggested the theatre. The young man hesitated. His conscience scrambled out of his pocket and clambering up an empty glass to a precarious but effective position began to argue in this wise.

Did he remember the young lady whom he was to see that night? He did. As a matter of principle, had he ever broken any appointments and did he intend to start now? He looked longingly at the girl, at his watch. Then slowly, reluctantly, he rose and departed, leaving the girl and his friend to continue blithely on their way to the theatre.

Two hours and seventeen minutes later found him pacing the sidewalk in front of the theatre wherein had vanished the pair. And he began a monologue after the following fashion:

"It would be suitable that I adjudge her devoid of conscience, but no person devoid merely of conscience could attain so completely her utterly naive unconsciousness. Therefore, with a free mind let us ponder on the machinations of destiny and the fabrications of woman."

Chivalry

Which sentiments had obviously been moved by the failure of the young lady to keep the appointment, together with reliable information as to her exact whereabouts. Being simply that while he had left no phone number uncalled Lileth munched chocolate and sang songs from the front row of one of the newer movies, secure and happy in the nearness of her chosen.

Being as just then, the young lady of the earlier evening and the friend came out of the theatre, the young man bethought himself with a qualm of conscience of a reproof administered earlier and doffing his hat plunked down on his knees in the middle of Tremont street to beg forgiveness. Needless to say, he got it.

Undergraduate Notice

The track rally, scheduled yesterday, has been postponed to 2 o'clock Saturday at the Field House.

Six Lectures On Steam And Heat Transference To Be Given Next Week

Dr. Max Jakob Will Give Series At Harvard, Technology April 7-15

Dr. Max Jakob, an authority on heat and for many years in charge of the heat laboratories of the German Bureau of Standards at Charlottenburg will give a series of six lectures at Harvard University and Technology, between April 7 and April 15, on heat transference and the properties of steam.

Dr. Jakob's lectures will be given at the following times and places:

At Harvard University three lectures will be given: These will be in Room 110, Pierce Hall, at 4 o'clock on each of the following afternoons: Tuesday, April 7, "Properties of water and steam"; Wednesday, April 8, "Heat transfer between a building surface and a liquid"; and Thursday, April 9, "Heat transfer between building liquids and vapor bubbles."

At Technology three lectures will be given. These will be in Room 6-120, at 4 o'clock in the afternoon: Monday, April 13, "Condensation as a problem of heat transfer"; Tuesday, April 14, "Verification of the film theory in condensation"; and Wednesday, April 15, "Deviations from film-theory and drop-wise condensation."

Dr. Jakob, who holds degrees in both electrical engineering and technical physics from the University of Munich, received his doctor's degree in engineering from that university in 1904, and has since held important posts as engineer and consulting engineer. From 1910 to 1933 he was scientific advisor to the Society of German Engineers and the editor of their journals.

Dramashop

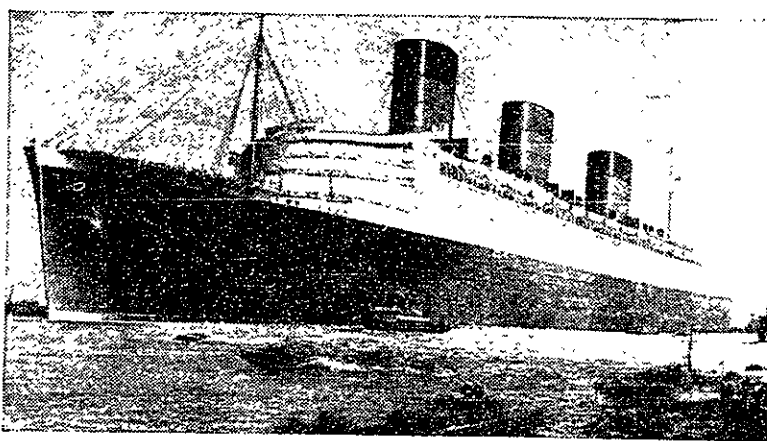
(Continued from Page 1)

and virtual rise to prominence which the marriage will bring and after their friends have all offered congratulations, the truth is made known and finally a gendarme rushes in and announces the arrival of the real Inspector General.

Souder, who is already well known to Dramashop attendants for his fine performances, added to his success in last night's representation as the Mayor. Robert W. Pastene, '39, as the clerk who is mistaken for the Inspector General, did a good piece of acting especially in a scene where he was drunk by the mayor. Among the feminine players, by far the best performance was handed out by Margaret Whitcomb, '39, who portrayed the excitable wife of the mayor. Ruth G. Raftery, '38, as the pampered daughter of the mayor has done better in previous Dramashop presentations.

Acclamations and praise for this production both from the point of view of the play itself and also of its presentation by Dramashop players should be unrestrained.

Giantess Of The Seas



A model of the new "Queen Mary," on which Technology architects are to sail for Europe in June, will soon be on display in Room 10-100.

Dean's List Available In Information Office

Publication of the Dean's List of Undergraduate Students of High Scholastic Standing, for the first term of the 1935-36 Institute year has recently been announced. Copies may be secured in the Information Office, Room 10-100.

Seniors in the Class of 1936 led in representation on the list, with a greater percentage of men upon each of the three divisions of the list. 46.5 per cent of the seniors are on the Dean's List, with 4.7 per cent in the first, 14.9 per cent in the second, and 26.9 per cent in the third listing.

Juniors came next in representation on the list, having a total of 37.1 per cent of the class included. Among the Juniors, 3.4 per cent are on the first list, 13.4 per cent on the second, and 20.3 per cent on the third.

The Sophomores ranked above the Freshmen and Juniors in the percent-

age of men placed on the first division of the Dean's List. In the second, they surpassed the Freshmen, but in the third, the Sophomores had the lowest representation of any of the classes. They placed a total of 31.2 per cent: 3.6 per cent on the first, 10.3 per cent on the second, and 17.1 per cent on the third.

Total representation of the Freshmen was equal to that of the Sophomores—31.2 per cent. On the first Dean's list, they placed 3.3 per cent of the Class, on the second, 9.7 per cent, and 18.0 per cent on the third.

Approximately 30 per cent of the Freshmen listed by the Dean are at present recipients of some scholarship. Figures for the upper classes are not included in the Dean's List.

Science itself is now discarding the Newtonian concepts. Economics is becoming humanized. But education continues to devote its energies to gathering facts and is scornful of "mere opinion."—Dr. James F. Hosc, professor of education at Columbia.

Veterans Of Future Wars Hold Meeting

Greene, Lawrence And Morrison Are Among Speakers

On Monday, April 6, a mass meeting of the Veterans of Future Wars will be held in Room 6-120 in the Eastman Building.

Professor William Greene, Mr. A. A. Lawrence and Ralph D. Morrison, Jr., '37, will be among the speakers. All students interested are invited to attend.

On being questioned as to the general nature of the purposes of the Veterans of Future Wars, Post Commander George M. Levy, '37, stated: "The Veterans of Future Wars is by no means a pacifist organization nor, on the other hand, is it a militaristic venture. It is not a satire on the Veterans of Foreign Wars. We are in no way affiliated with any political parties. We want our bonus . . . that is all we ask . . . our \$1,000 bonus . . . America for Americans."

Tech Union

(Continued from Page 1)

diplomacy since the World War, he declared that the predominating characteristic of pre-1914 diplomacy was speed, while the present tendency is toward delay. This fact he regarded as significant in that, by means of it, Italy was enabled to amass troops in its African colonies meanwhile preventing the League from taking any direct action, because of her refusal to submit to arbitration.

Following his speech, Dr. Potter answered questions put by members of the Union.

Kings got their chic from gastropods



IN ANCIENT TIMES the merchants of ancient Tyre did a brisk business dyeing the robes of royalty. Their famous Tyrian purple came from a marine gastropod found in the Mediterranean Sea. Since each shell-fish yielded only a tiny bit of dye, the enormous quantities needed made this color too costly for anyone but kings and such. Hence the expression: "Born to the purple."

In 1856 an English chemist found a way to make synthetic colors out of coal tar. Following this discovery, a great dye industry developed abroad—and American textiles were dependent on these foreign

sources right up to the World War.

The development of America's own dyestuffs industry, beginning in 1917, is one of the great achievements of American chemistry. It freed us from dependence on foreign dyes—and today American dye makers supply a complete line of colors for the dyeing of cotton, silk, wool, rayon and acetate yarns, paper and leather.

As to quality, American dyes make no apologies to gastropods or anyone else.

Du Pont chemists played a leading part in the development of American dyes—a good example of the way research chemistry affects the lives of young and old, and of the Du Pont pledge . . .

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY



Producers of Chemical Products since 1802
Wilmington, Delaware

QUADLEY
House
or
Finchley Fifth Avenue
Spring Exhibit
QUADLEY SUITS, TOPCOATS AND TUXEDOS OF EXTRAORDINARY CHARACTER AND EXCEPTIONAL VALUE ORIGINATED EXPRESSLY FOR COLLEGE MEN.
THIRTY-FIVE DOLLARS
TAILORED TO MEASURE \$40 AND MORE
HOTEL STATLER
Boston, Mass.
TODAY, APRIL 3
Harry Schein, Rep.

CALENDAR

Friday, April 3

5:00 Menorah Society Meeting, East Lounge, Walker Memorial.
5:00 Tech Dames Bridge Party, North Hall, Walker Memorial.
6:15 American Institute of Mining Engineers Chowder Party, Room 8-010.
7:45 Sound Movies, "The Golden Harvest of the Witwatersrand," shown by the A. I. M. E.
10:00 Walker Student Staff Dance, Main Hall, Walker Memorial.

Saturday, April 4

All Day—Varsity Rifle in Intercollegiate at New London.
1:00 Tectonians Rehearsal, East Lounge, Walker Memorial.
2:30 Varsity Lacrosse with Boston Lacrosse Club at Tech.
6:15 Foreign Students Reception at Dr. Compton's house.

Monday, April 6

5:00 Veterans of Future Wars Meeting, East Lounge, Walker Memorial.
5:00 T. E. N. Meeting, West Lounge, Walker Memorial.

Promotions

(Continued from Page 1)

bur L. Barrow and John C. Trump, electrical engineering; Albert A. Lawrence, Theodore Smith and Robert S. Woodbury of the department of English and history; Edward M. Bridge and Joseph L. Woodruff of the department of architecture; Alexander T. Bone of the department of civil and sanitary engineering; Samuel C. Collins of the department of chemistry; Edwin R. Gilliland, chemical engineering; Prescott D. Crout, department of mathematics; Alvin Sloan, department of mechanical engineering, and Edward S. Lamar, department of physics.

Loomis Tour

(Continued from Page 1)

equipped with facilities for cooking and sleeping.

Twenty-four men make up the tourists, the personnel being:

F. S. Atwater, '38; John Ayer, Jr., '36; H. Berkley Bishop, '37; John G. Booton, Jr., '37; Abbott Byfield, '36; Norman A. Copeland, '36; Davis R. Dewey, 2nd; J. Robert Fischel, '37; Kenneth B. Gair, '37; Ben Holt, Grad; Austin C. Loomis, '37; Brenton W. Lowe, '36; W. B. Moore, Grad.; E. C. Peterson, '37; William W. Prichard, '36; Scott C. Rethorst, '36; William Stannard, Princeton; Joseph H. Stone, '37; Abner A. Towers, '38; Francis Scott Truesdale, Princeton; Arthur E. Wells, Jr., '36; George B. Wemple, '37; H. A. Wiley, Jr., '38; John F. Zietlow, Grad.

Arrangements for the industrial plant visits are being made. There will be about twenty of these visits on this summer's trip. These plants are being selected to present a balanced picture of typical industries in the countries visited and include ship-building in Sweden, pottery in Denmark, brewing and machines in Germany, and instrument making in Switzerland.

Soph Dance

(Continued from Page 1)

certificate of shares has a personal interest in the dance. This distribution of interest is expected to make the affair a true class function.

Three-Color Certificates

The certificates of shares issued yesterday are printed upon green tinted check paper, and bear the words "1938 Associated" in a red overprint. A gold seal occupies the lower right hand corner.

Attached at the right side are the two dividend coupons entitling the subscriber first to a ten cent reduction on the price of his dance ticket, and then to a pro-rata share of all profits made.

No money was accepted in payment for the shares, but the purchasers were asked to sign a note promising to pay a proportionate amount—not to exceed one dollar—only in the advent the dance is not a financial success.

Dance Plans

Spurred by the interest the Sophomores have shown in their class dance, the committee is working to complete the plans and will have the final details of the dance ready for publication soon.

Professor Albert A. Schaefer, of the Department of Business and Engineering Administration, supervised the preparation of the certificates of shares and the articles of trust by which the Association is governed. His advice, as "Association Lawyer," was sought to insure the complete legality of the transaction.

Committee Members

Sale of the certificates was conducted through personal contact of the members of the committee, and also from the table in the Main Lobby.

Members of the committee aiding in the sale were D. Donald Weir, '38; Frederick J. Kolb, '38; Emmett C. Ryder, '38; Richard J. Muther, '38; Frederick S. Strassner, '38; John R. Cook, '38; Rolland S. French, '38; Harding B. Leslie, '38; L. Carle McEvoy, '38; Howard H. Milius, '38, and Samuel Rudginsky, '38.

Professor J. F. Norris Addresses Graduates

Director Of Organic Research Speaks On Accidents

Professor James F. Norris, Director of the Research Laboratory of Organic Chemistry, was the speaker at the Graduate House Dinner, which was held in the North Hall of Walker Wednesday night at 6 p. m. "Accidents and the Progress of Science" was his subject.

The text for Professor Norris's talk was the story of "Serendipity and Princes of Serendip," which concerned a road, one of whose sides flourished with tall green grass while the other was almost bare. This riddle baffled the people of that day until some wise men discovered that a one-eyed mule traveled down the road, eating the grass only on the side visible to him.

Science today confronts similar riddles, and must be prepared to answer them. In the synthesis of Indigo, years back, an intermediate product was obtained in poor yields until some worker broke a thermometer in the reacting solution, whereupon high yields were produced. After investigation, the worker's clumsiness was brought to light, and it was discovered that mercury salts catalyzed the reaction.

Professor Norris has been Director of the Organic Research Laboratories at the Institute since its establishment. A former president of the American Chemical Society, he is internationally noted for his achievements in chemical research and technology.



Improve Your Dancing at
The Paverone Studios
Lady Instructors
1088 Boylston Street
Near Mass. Avenue
Tel. Com. 8071

Commuters Asked To Join Soft Ball Team

All commuters interested in playing in a dorm-commuter-fraternity soft ball league are requested to sign up in the 5:15 clubroom. The men in the three groups will play each other and the winning team of each group will play the winners of the other two groups. In fairness to the dormitories and the fraternities, the commuters are requested to organize at least five teams, the men being assigned to the teams alphabetically. The Beaver Key Society which is sponsoring the league has promised to furnish all equipment, and in addition will award a silver cup to the group winning the finals.

Soft ball is no longer the slightly known game of several years ago, for since that time the game has come into great popularity, especially in the West where professional teams, as well as semi-pro and business firm teams have become quite popular. Soft ball is now played at a fast pace, and the commuters are assured that "it will take all they can give it."

Boit, Dalton, Church & Hamilton

89 BROAD STREET
BOSTON



INSURANCE
OF
ALL KINDS

LIQUORS
Choice Wines and Liqueurs
Domestic and Imported
Telephone TRObridge 1788
Central Distributing Company
480 Massachusetts Avenue
Corner Brookline Street
Central Square
Cambridge, Mass.



*I wouldn't give
that for a cigarette
that doesn't Satisfy
...that doesn't give me
what I want in a smoke*

I want my cigarette mild, of course—I hardly think anybody enjoys a strong cigarette. But deliver me from the flat, insipid kind.

I find a great deal of pleasure in Chesterfields. They're mild and yet they seem to have more taste and aroma. I enjoy them.

*They Satisfy... just about
all you could ask for*